

Measuring	: -		closely	Eval <u>MW-1</u> Toc 20.89	Time S Time S uation				124 145	2 PVC
000000000000000000000000000000000000000	Water Below I			5.00		Tubing N		VACCO 1800	Tei	flon-lined
Well Volu (see revers	Column in W me Conversionse) me (Gallons):			15.89 0.163 .6 gal.		_	t at (ft. below on Method:	Q	ED Micro- ith Teflon	purge pump bladder
Time	Water Land		Groun(d Water See reverse f	or stabil	ization cr	iteria)			
Time	Water Level (ft. below MP)	Volume Removed (Gallons)	Pumping Rate (gpm)	Temperature (°C or °F)	pН	SEC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Instrument used to measure parameters
1435		2.6gal.		16.3°C	7.49	0.17	630	B.24	105	
				Sampl	e Info	rmatio	n			
C	onstituents Sa	umpled		San 3 40 pm	nple Cont			HO	Field Pre	paration
Sample Ide S/MSD I QA/QC Co Chain of C Remarks:	Personnel/Timentification Coldentification ding (i.e., Equation Colors (i.e., Equation Colo	oding/Dupli Coding: uipment Rin d Number(s	cate Ident	925	DL /in	mH - NW-1/	1440 122100 154	159		



Client/Pr Location Weather: Date:	: (EMD Cincinnati, 39°F, p	OH Octorely	-	Time S	Number: ampling Bampling Campling Campling		100.5	8.15 1510 1535	
			1	Eval	uation	Data				
Measuring	n of Samplin g Point (MP): th of Well Be			MW-2 TOC 1.69			iameter (ind Casing Mate			2 PVC
Height of	Vater Below I Column in W	/ell (ft.):		6.41		Tubing N Pump Se	Aaterial: t at (ft. below	MP):	Те	flon-lined
(see revers	me Conversio se) me (Gallons):		2	0./63 7 gal. d Water see reverse s		oling Pa		V	ED Micro vith Teflon	-purge pump bladder
Time	Water Level (ft. below MP)	Volume Removed (Gallons)	Pumping Rate (gpm)	Temperature of or °F)	рН	SEC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Instrument used to measure parameters
1524		2.7	· OF	(6.5	7.45	0.15	990	4.72	115	
				Sampl	e Info	rmatio	n			
Co	onstituents Sa VOC	umpled		San 3 40 _M .	nple Conto	ainers		He	Field Pro	eparation
Sample Ide IS/MSD I QA/QC Co Chain of C Remarks:	Personnel/Tinentification Codentification ding (i.e., Equation lustody Recordustody Record	oding/Dupli Coding: uipment Rind d Number(s	icate Identi usate or Fie	fication Codi		nH - nW-2, chase	1529 1221	of C	IS 2°	12/17/2004



Client/Project: EMD Location: Cincinnati, OH Weather: Snowy, 30°F Date: /2/22/04					Time So Time So		egan: ompleted:	100.5	8.15 1020		
				Eval	uation	Data					
Measuring Total Deput Depth to W	n of Sampling Point (MP): Th of Well Be Vater Below I	low MP(ft.): MP (ft.):	7	1W-08 TOC B. &		Type of C		erial:	Tef	2 PVC flon-lined	
Well Volume (see revers	Column in W me Conversio e) me (Gallons):	-		2.8 520 0.16 2.0	93		t at (fi. below on Method.	. +	ED Micro- ith Teflon-	purge pun bladder	Baile
				d Water see reverse t				ers			
Time	Water Level (ft. below MP)	Volume Removed (Gallons)	Pumping Rate (gpm)	Temperature (°C or °F)	рН	SEC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Instrumen measure p	
1003		3.0	(gpm)	11.2	7.86	1.7	100	6.99	-30		
1008		1.0		12.4	240	1,7	390	3,42	-40		
				Sampl	e Info	rmatio	n				
	onstituents Sa	umpled			nple Conta			HCL	Field Pre	paration	
Sample Ide AS/MSD Id QA/QC Cod Chain of Cl Remarks:	dentification ding (i.e., Equ ustody Recor	oding/Dupli Coding: uipment Rind d Number(s	cate Identi	fication Codi	H, Mm.		010 W8/17	54 159 one led.		12/1	



Client/Pr	oject:	EMD			Project	Number:		100.58	8.15	
Location: Cincinnati, OH Weather: 5 Date: 7 20 04					Time S	ampling B	egan:		1333	
Weather:	_	150	F Su	~	Time S	ampling C	ompleted:	1	415	
Date:			12 200	V						
			. ,	Eval	uation	Data				
						Data				
Description	n of Samplin	g Point (We	(I ID):	MW-17						
Measuring	Point (MP):			70C		Casing D	iameter (inc	ches):		2
Total Dept	th of Well Be	low MP(ft.):		44.56		Type of C	Casing Mat	erial:		PVC-5.5
Depth to V	Vater Below I	MP (ft.):		27.2	0	Tubing N			Te	flon-lined
Height of	Column in W	Vell (ft.):				1997	t at (ft. below	MP):	· · · · · · · · · · · · · · · · · · ·	
	me Conversio						on Method		FD Micro	-purge pump
(see revers			-			Zrucuut	on macinous		ith Teflon	
Well Volu	me (Gallons):									
		.12	~	1 XX7 .		10				
		(d Water				ers		
			(S	ee reverse f	for stabili	zation cr	iteria)			
Time	Water Level	Volume	Pumping	Temperature	рН	SEC	Turbidity	DO	ORP	Instrument used to
	(ft. below MP)	Removed (Gallons)	Rate (gpm)	(°C or °F)		(µS/cm)	(NTU)	(mg/L)	(mV)	measure parameters
1747	27.43	(======================================	(8)	13.6	7.40	0.45	190	5.20	64	
1390	28.6Z			13.6	7.33	0.39	110	4.97	59	
1353	78.87			9.8	7.40	0.39	93	5.60	60	
1350	79.94			5.6	7.38	0.39	110	5.31	67	
1402	79.09			5.7 5.9	7.36	0.38	110	5.49	68	-
100				710	1.00	0.10	10	7. 99	00	
				Sampl	e Info	rmatio	n			
C	enstituents Sa	umplad							E' II D	
Co	20 000	0 -7 6			nple Conto	uners		112		eparation
	VOC	8260			- 40me			140	1 7 4	2
					~~~~		-			
Campling D	Personnel/Tin	na Camplas	Colleged	19	10/5mt	1	1 111			
				fication Codi			104	famour A		
	nujicuuon Co dentification		cuie 1uenii	jicuuon Coal	g:	AA	1W-17/	122004		
	ding (i.e., Eq	_	sate or Fi	old Rlank).		W.				
	ustody Recor	_		ou Diulinj.	-	///	15416	2/1		
Remarks:	, , , , , , , , , , , , , , , , , , , ,			***************************************			17716	U		



	-	EMD				Number:		-	.58.15	
ocation.		Cincinnati,				ampling Be	-	_7	425	0945
Veather:	4vm	460 500	7 15%		Time So	ampling Co	ompleted:		·	
)ate:		15/5/104	12/21/	w9						
				Evalu	ıation	Data				
escriptio	n of Sampling	g Point (Well	IID):	MW-18						
	g Point (MP):					Casing D	iameter (incl	hes):		2
	th of Well Bel	ow MP(ft.):		45.33			Casing Mate	_		PVC
-	Water Below N					Tubing M		-	T	eflon-lined
_	Column in W						t at (ft. below	MP):		
	me Conversio	150 (9)			and the same of th		on Method:	_	OED Micr	o-purge pump
ee revers		2	-			27.000000		-	with Teflo	
'ell Volu	me (Gallons):									
			~	N WW7		110 170				
				d Water	_	_		ers		
			(S	ee reverse f	or stabili	ization cr	iteria)			
Time	Water Level	Volume Removed	Pumping Rate	Temperature	рН	SEC	Turbidity	DO	ORP	Instrument used to
	(ft. below MP)	(Gallons)	(gpm)	(°C or °F)		(μS/cm)	(NTU)	(mg/L	) (mV)	measure parameter
						-				
						-				
-						<del>                                     </del>				
				Sampl	e Info	rmatio	n			
C	onstituents Sa	mpled		San	ple Cont	ainers			Field P	reparation
										•
			-							
		***************************************								
mpling I	Personnel/Tin	ne Samples	Collected:							
	entification C		icate Ident	ification Codi	ng:					
	Identification									
100	oding (i.e., Equ	-		eld Blank):			-			
MIN OF !	Custody Recor		s):							
marks:	1515	1FT	Λ /	MILRO- PUR		stucic	m W4		WILL PUTE	m 12/21/04



12/17/2004

Location:   Cincinnati, OH   Time Sampling Began:   1350     Weather:   Sumpling Completed:   UZo     Evaluation Data     Description of Sampling Point (Well 1D):   MW-Z3     Total Depth of Well Below MP(B):   34.70   Type of Casing Material:   Deve 5.5.     Depth to Water Below MP (B):   76.95   Tubing Material:   Deve 5.5.     Pump Set at (B. below MP):   Well Volume Conversion Factor:   (See reverse)     Well Volume (Gallons):   Ground Water Sampling Parameters     See reverse for stabilization criteria)     Time   Water Level   Volume   Removed	Client/Pr	oject:	EMD			Project	Number:		100.58	3.15	
Date:    Part	Location: Cincinnati, OH Weather: Sum Ye							egan:		1350	
Evaluation Data    Description of Sampling Point (Well ID):   MW-Z\$   TôC   Casing Diameter (inches):   2	Date:					Time So	ampling Co	ompleted:		1420	
Description of Sampling Point (Well ID):  Measuring Point (MP):  Total Depth of Well Below MP(h.):  Well Volume Conversion Factor:  (See reverse)  Well Volume (Gallons):  (See reverse for stabilization riteria)  Time Water Level Volume Parameters  (See reverse for stabilization riteria)  Time Water Level Volume Parameters  (See reverse for Stabilization riteria)  Time Water Level Volume Parameters  (See reverse for Stabilization riteria)  Time Water Level Volume Parameters  (See reverse for Stabilization riteria)  Total Depth of Well Parameters  (See reverse)  Well Volume (Gallons):  (PD Micro-purge pump with Tellon bladder Baller  Rate (Cor T)  (PS (NTU) (mg/L) (mg/L	Date:	_		12/	21/04					110	
Description of Sampling Point (Well ID):  Measuring Point (MP):  Total Depth of Well Below MP(h.):  Well Volume Conversion Factor:  (See reverse)  Well Volume (Gallons):  (See reverse for stabilization riteria)  Time Water Level Volume Parameters  (See reverse for stabilization riteria)  Time Water Level Volume Parameters  (See reverse for Stabilization riteria)  Time Water Level Volume Parameters  (See reverse for Stabilization riteria)  Time Water Level Volume Parameters  (See reverse for Stabilization riteria)  Total Depth of Well Parameters  (See reverse)  Well Volume (Gallons):  (PD Micro-purge pump with Tellon bladder Baller  Rate (Cor T)  (PS (NTU) (mg/L) (mg/L				ı	Fyol	wation	Data				
Measuring Point (MP):  Total Depth of Well Below MP (th.):  36.75  Type of Casing Material:  Type of Casing Material:  Teflon-lined  Pump Set at (the below MP):  Well Volume Conversion Factor: (see reverse)  Well Volume (Gallons):  Ground Water Sampling Parameters  (See reverse for stabilization criteria)  Time Water Level Volume (Gablons):  Well Volume (Gablons):  Time Water Level Volume (Gablons):  Time Water Level (Gablons)  Ground Water Sampling Parameters  (See reverse for stabilization criteria)  Time (Gablons) Removed Rem					E van	uauon	Data				
Measuring Point (MP):  Total Depth of Well Below MP (th.):  36.75  Type of Casing Material:  Type of Casing Material:  Teflon-lined  Pump Set at (the below MP):  Well Volume Conversion Factor: (see reverse)  Well Volume (Gallons):  Ground Water Sampling Parameters  (See reverse for stabilization criteria)  Time Water Level Volume (Gablons):  Well Volume (Gablons):  Time Water Level Volume (Gablons):  Time Water Level (Gablons)  Ground Water Sampling Parameters  (See reverse for stabilization criteria)  Time (Gablons) Removed Rem	Descriptio	n of Samplin	g Point (We	l ID):	MW-Z	3					
Total Depth of Well Below MP (ft.):    Sq. 95	Measuring	g Point (MP):					Casing D	iameter (inc	ches):		2
Depth to Water Below MP (p.):  Height of Column in Well (p.):  Well Volume Conversion Factor: (See reverse)  Well Volume (Gallons):  Cround Water Sampling Parameters (See reverse for stabilization criteria)  Time Water Level (p. below MP): (p. be	Total Dept	th of Well Be	low MP(ft.):								
Height of Column in Well (ft.):  Well Volume Conversion Factor: (see reverse)  Well Volume (Gallons):  Ground Water Sampling Parameters (See reverse for stabilization criteria)  Time Water Level (ft. below MP): (Gallons) (Fumping Temperature (pt. below MP): (Gallons) (Gallons) (Fumping Temperature (pt. below MP): (Gallons) (Gallons) (Gallons) (Fumping Temperature (pt. below MP): (Gallons) (Gallons) (Fumping Temperature (pt. below MP): (Gallons) (Gallons) (Gallons) (Fumping Temperature (pt. below MP): (Gallons)		10.00	( ) <del>-</del>			-					
Well Volume Conversion Factor: (see reverse)  Well Volume (Gallons):  Ground Water Sampling Parameters (See reverse for stabilization criteria)  Time Water Level (G. below Removed Rate (C. or P) (JSC M) (NTU) (mult) (mult) (Gallons) (Gallons)  Well Volume (G. below MP) (Gallons):  Time Water Level (G. below Removed Rate (C. or P) (JSC M) (NTU) (MI) (mult) (mult) (mult) (Gallons)  Well Volume (G. below Removed Rate (JSC M) (JSC M) (NTU) (MI) (MI) (mult) (MI) (Gallons)  Well Volume (G. below Removed Rate (JSC M) (JSC M) (NTU) (MI) (MI) (MI) (MI) (MI) (MI) (MI) (MI	Height of	Column in W	Vell (ft.):		Z:	75			MP):		
Sample Information   Sample Containers   Sample Preparation				0.16	3 0.4	15	-		-	ED Micro-	-purge pump
Ground Water Sampling Parameters (See reverse for stabilization criteria)  Time   Water Level   Volume   Removed   Pumping   Rate   (*C or *F)   pH   SEC   Turbidity   DO   (mg/L)   (	(see revers	se)									
(See reverse for stabilization criteria)  Time   Water Level   Volume   Rate   Rate   ("Cor"F)   Pumping   Temperature   PH   SEC   (INTU)   (INTU)	Well Volu	me (Gallons):			147	<b>?</b>				BA	ILER
(See reverse for stabilization criteria)  Time   Water Level   Volume   Rate   Rate   ("Cor"F)   Pumping   Temperature   PH   SEC   (INTU)   (INTU)			4	Trains	d Water	Came	ling D	NO ma a 4	0.145		
Time Water Level (ft. below Removed Re			•	)IIIIU IT	a vvater	On stability	mig Fa	aramet	CIS		
Constituents Sampled   Rate (gpm)						or stabili		iteria)			
Sample Information  Constituents Sampled  Sample Containers  Sample Containers  Field Preparation  Sample Identification Coding/Duplicate Identification Coding:  DAQC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):	Time					pН					Instrument used to
Sample Information  Constituents Sampled  Sample Containers  Field Preparation  Constituents Coding/Duplicate Identification Coding:  Mw - Z3 / 12210 9  157. 187. 188. 188. 188. 185. 230 2.31 - 120  1410 2.40 2.40 - 126  Sample Information  Field Preparation  Field Preparation	1.106	MP)				6 9/6					measure parameters
Sample Information  Constituents Sampled  Sample Containers  Field Preparation  Sample Identification Coding:  Mw -23 / 122104  MS/MSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):	-					-	1		-		
Sample Information  Constituents Sampled  Sample Containers  Field Preparation  Sample Identification Coding/Duplicate Identification Coding:  [AS/MSD Identif			1.5					741)			
Constituents Sampled  Sample Containers  Field Preparation  Field Preparation  Field Preparation  Sampling Personnel/Time Samples Collected:  Sample Identification Coding/Duplicate Identification Coding:  MW-Z3/172104  MS/MSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  [54146]					1710		0.00	210	2.70	166	
Constituents Sampled  Sample Containers  Field Preparation  Field Preparation  Field Preparation  Sampling Personnel/Time Samples Collected:  Sample Identification Coding/Duplicate Identification Coding:  MW-Z3/172104  MS/MSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  [54146]											
Constituents Sampled  Sample Containers  Field Preparation  Field Preparation  Field Preparation  Sampling Personnel/Time Samples Collected:  Sample Identification Coding/Duplicate Identification Coding:  MW-Z3/172104  MS/MSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  [54146]											
Constituents Sampled  Sample Containers  Field Preparation  Field Preparation  Field Preparation  Sampling Personnel/Time Samples Collected:  Sample Identification Coding/Duplicate Identification Coding:  MW-Z3/172104  MS/MSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  [54146]									-		
Constituents Sampled  Sample Containers  Field Preparation  Field Preparation  Field Preparation  Sampling Personnel/Time Samples Collected:  Sample Identification Coding/Duplicate Identification Coding:  MW-Z3/172104  MS/MSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  [54146]											
Constituents Sampled  Sample Containers  Field Preparation  Field Preparation  Field Preparation  Sampling Personnel/Time Samples Collected:  Sample Identification Coding/Duplicate Identification Coding:  MW-Z3/172104  MS/MSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  [54146]											
Constituents Sampled  Sample Containers  Field Preparation  Field Preparation  Field Preparation  Sampling Personnel/Time Samples Collected:  Sample Identification Coding/Duplicate Identification Coding:  MW-Z3/172104  MS/MSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  [54146]											
Constituents Sampled  Sample Containers  Field Preparation  Field Preparation  Field Preparation  Sampling Personnel/Time Samples Collected:  Sample Identification Coding/Duplicate Identification Coding:  MW-Z3/172104  MS/MSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  [54146]					Samul	o Info	rmatia	10			
Campling Personnel/Time Samples Collected:  Cample Identification Coding/Duplicate Identification Coding:  AS/MSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):					Samp		ımanı	AL			
Cample Identification Coding/Duplicate Identification Coding:  MW-Z3/17104  MS/MSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  [54148	Ca	onstituents Sa	ımpled		San	nple Conta	iners			Field Pre	paration
Cample Identification Coding/Duplicate Identification Coding:  MW-Z3/17104  MS/MSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  [54148											
Cample Identification Coding/Duplicate Identification Coding:  MW-Z3/17104  MS/MSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  [54148											
Cample Identification Coding/Duplicate Identification Coding:  MW-Z3/17104  MS/MSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  [54148								-			
Cample Identification Coding/Duplicate Identification Coding:  MW-Z3/17104  MS/MSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  [54148											
Cample Identification Coding/Duplicate Identification Coding:  MW-Z3/17104  MS/MSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  [54148	, ,,	1 ////		~ · ·		under	. 1				
AS/MSD Identification Coding:  QA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  [54148]			_			0 . 0/.0	M	1415			
Chain of Custody Record Number(s):  Chain of Custody Record Number(s):  Chain of Custody Record Number(s):  [54148]  [54148]				cate Iaenti	fication Coal	ing: [		1W-23	12210	9	
Chain of Custody Record Number(s):			_	sate or Fi	old Rlank).		12	1 /1900	· ·		10:110
			-		ou Diulinj.		F 120			1400	- 154158
	Remarks:	A		,	e m P	SAIL DA	0			144	11012



12/17/2004

Client/Pr	oject:	EMD			Project	Number:		100.5	8.15		
Location	: _	Cincinnati,	ОН		Time So	ampling Be	egan:	-	1245		
Weather:	- Processing					ampling Co	ompleted:		1330		
Date:		12/2	losel	/							
		1.70	100	10 1		TD .					
				Eval	uation	Data					
Descriptio	n of Samplin	g Point (We	II ID):	MW-26							
Measuring	g Point (MP):			Toe		Casing D	iameter (inc	ches):	-	2	
Total Dept	th of Well Be	low MP(ft.):		41.98		Type of C	Casing Mate	erial:		PVC	
Depth to V	Vater Below I	MP (ft.):		30.21		Tubing M	laterial:		Te	flon-lined	
Height of	Column in W	Vell (ft.):		11.77		50.7	t at (ft. below	MP):			
	me Conversio	on Factor:	X	0.163							
(see revers			3	16				W	ith Teflon	bladder	
Well Volu	me (Gallons):			1.9 ge	il.						
		4	Cround	Wator	Camp	ling D	) NO 100 O4	0.740			
		,		d Water ee reverse f				ers			
Time	Water Level	Volume	Pumping	Temperature	pН	SEC	Turbidity	DO	ORP	Instrument used to	
	(ft. below	Removed	Rate	(°C or °F)	<i>p</i>	(µS/cm)	(NTU)	(mg/L)	(mV)	measure parameters	
1309	30.21	(Gallons)	(gpm)	15.8°C	6.95	0.19 5/4	280	5.20	101		
1312	30.21			15.8°C	6.83	0.19	270	3.37	92		
1315	30.21			15.9.6	6.87	0.19	230	3.02	90		
1318	30.21			15.8%	6.86	0.19	220	2.37	87		
1321	30.21			15.7°C	6.37	0.19	200	1.83	83		
1324	30.21			15.7.6	6.37	0.19	190	1.69	82		
								,			
***************************************											
								ļ			
				C 1	T C		L	li			
				Sampl	e Intoi	rmatio	n				
Ca	onstituents Sa	ımpled		San	nple Conta	iners			Field Pre	paration	
	VOC			3 4	Donl. G	1.08		14	1, ice		
					7			110	1,100		
										****	
						***************************************	_				
Sampling F	Personnel/Tin	ne Samples	Collected:	<	DL/m	mel -	1327				
	ntification Co			fication Codi	ing:	181	26/10	2151			
	dentification		enie znemi	ficulion Coul	g.	m ( W) -	16/12	404			
	ding (i.e., Eqi	10.75	sate or Fig	eld Blank).							
	ustody Recor			20000000		icil	159				
Remarks:						179	174				
	GWSAMP.FRM	1/kic								12/17/2004	

Vernay GWSAMP.FRM/kjc



12/17/2004

Location	6750704				Time S	Number: ampling Bo ampling Co	-		58.15 09 40 020	
				Eval	uation	Data				
Measuring Total Dep Depth to V Height of Well Volu (see revers	on of Sampling Point (MP): th of Well Be Water Below I Column in W me Conversionse) me (Gallons):	low MP(fi.): MP (fi.): Vell (fi.): on Factor:	Ground	Mw-26 10C 30.	Samp	Type of C Tubing M Pump Se Evacuation	t at (ft. belom on Method aramet	erial:		PVC  flon-lined  -purge pump bladder
Time	Water Level	Volume	Pumping	Temperature	or stabili	SEC	Turbidity	DO	ORP	
	(ft. below MP)	Removed (Gallons)	Rate (gpm)	(°C or °F)	PII	(μS/cm)	(NTU)	(mg/L)	(mV)	Instrument used to measure parameters
1000	31.78	(Guilons)	(gpm)	13.7	7.13	1.2/1	720	5.75	20	
1003	31.63			8.5	7.73	1.2	390	7.04	20	
1006	31.60			4.2	7.27	1.7	380 60	37.10	70	
1009	31.48			5.6	7.30	1.2	350	6.57	20	
19-13										
						-	<u> </u>			
								<b>†</b>		
					<u></u>					
				Sampl	e Info	rmatio	n			
C	onstituents Sa	impled		San	nple Conta	iners			Field Pre	eparation
	Unc	8260			3-40m				ifec /	Ice
	VU				> 10m	C			1900	466
		***************************************								
Sample Ide IS/MSD 1 QA/QC Co Chain of C	Personnel/Tinentification Condition Identification Identification Iding (i.e., Equation	oding/Dupli Coding: uipment Rin d Number(s	cate Identi sate or Fie	fication Codi	Sm H ing:	1010 MW20 M	15410		×	
Remarks:		(MIND)	0.5	ofe						



12/17/2004

Client/Pr	oject:	EMD			Project	Number:		100.5	8.15		
Location	:	Cincinnati,	OH			ampling B	egan:		430		
Weather:  Date:  Smy 40 °F  12/21/04						ampling C			1515		
Date:	S. Carrier		12/21/0	4			-				
			• •	Eval	uation	Data					
Descriptio	n of Samplin	g Point (We	ll ID):	MW-Z	7						
Measurin	g Point (MP):			70C		Casing D	iameter (inc	ches):		2	
Total Dep	th of Well Be	low MP(ft.):		21.28			Casing Mat	-		PVC	
Depth to V	Water Below I	MP (ft.):		8.67		Tubing N			Te	flon-lined	
	Column in W	1051 (158)			A STATE OF THE STA	1000	t at (ft. below	MP):			
Well Volu	me Conversio	on Factor:					on Method.		FD Micro	-purge pump	
(see revers				1		Linchutt	on memou.		ith Teflon		
Well Volu	me (Gallons):										
	T	_	(S	d Water See reverse t	for stabili	ization cr	iteria)	ers			
Time	Water Level (ft. below MP)	Volume Removed (Gallons)	Pumping Rate (gpm)	Temperature (°C or °F)	рН	SEC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Instrument used to measure parameters	
1442	8.59			13.5°C	7.28	1.8	240	3.49	- 9		
1445	8.92			13.60€	7.27	1.8	200	1.71	- 7		
1448	9,13			13.400	7.23	1.8	180	0.98	-2		
1451	9.33			13.3°C	7.22	1.8	140	0.65	2		
1454	9.50			13.100	721	1.8	/30	0.51	6		
1500	9.90			12.900	7.21	1.8	100	0.26	10		
1503	10.05			12.8°C	7.20	1.8	16	0.19	18		
1506	10.25			12.8°C	7.19	1.8	46	0.00	23		
1509	10.52			12.8°C	7.18	1.8	45	0.00	24		
				Sampl	o Info	wm o ti o	120			<u> </u>	
				Sampl			III				
	onstituents Sa	impled			nple Conta	ainers			Field Pre	eparation	
VOC	8260			3- 4	10 m1			140	1/1	CE	
				-							
Sample Ide IS/MSD I QA/QC Cod	Personnel/Tin entification Co dentification ding (i.e., Equ	oding/Dupli Coding: uipment Rir	icate Identi	fication Codi	MU, CS	x /	1510 MW27/	/2 2 1 <b>0</b> 4			
Chain of C	ustody Recor	d Number(s	2).					154	U/I		
Remarks:	Pumping		···				-	129	73		



12/17/2004

Client/Pro	oject:	EMD			Project	Number:		100.5	8.15		
Location:		Cincinnati,				ampling B	egan:	-	1125		
Weather:		4	m 30	) of		ampling C			1209	7	
Date:	-		12/21/04								
				Eval	luation	Data					
Description	ı of Samplin	g Point (Wel	l ID):	Mw.30							
Measuring	Point (MP):	-	-	700		Casing D	iameter (inc	ches):		2	
Total Depti	h of Well Bei	low MP(ft.):		77.50	)		Casing Mate			PVC	
-	ater Below I	170		35.3	6	Tubing N			Te	flon-lined	
Height of C	Column in W	ell (ft.):	-				t at (ft. below	MP):			
	ne Conversio			***************************************			on Method.		FD Micro	-purge pump	
(see reverse			-			Drucmun	on memous		ith Teflon		
Well Volun	ne (Gallons):										
		(		l Water				ers			
			(5)	ee reverse	tor stabili	zation cr	iteria)				
Time	Water Level (ft. below MP)	Volume Removed (Gallons)	Pumping Rate (gpm)	Temperature (°C or °F)	pН	SEC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Instrument used to measure parameters	
1140	39.48		10)	16.6	8.07	1.0	71000	4.68	-71		
1143	35.75			16.4	7.81	1.1	71000	3.56	-68		
1146	35.76			(6.0	7.64	1.1	71000	7.67	-64		
1152	35.78 35.78			14.8	7.63	(,(	71000	2.08	-58	-	-
1199	35.78			14.4	1.58	1.1	71000	1.84	-52		1
											1
					-				-		-
					-				-		-
				Sampl	le Info	rm otio	100				]
				Samp		ı ınatıv	711				
Co	nstituents Sa	mpled		Sai	mple Conta	iners			Field Pre	paration	
2000											
							_				-
											_
								70-00-00-00-00-00-00-00-00-00-00-00-00-0			_
					/		-				
	ersonnel/Tim	_		-	CHE	JM 14 -	1157	1			_
	tification Co		cate Identi	fication Cod	ing:	M	w:30	122104			_
	lentification				****		MA !	/			_
	ing (i.e., Equ			eld Blank):			14 18	181/04	RIN	01/122109 P	13
Cnain of Cu Remarks:	istody Record	i Number(s	-		~ /			1541	48		·
xemarks:				Univel	0.5	> gre			(*)	1	1541
Vernay	GWSAMP.FRM	/kjc								12/17/2004	



12/17/2004

Client/Pro Location: Weather: Date:	: _		Time S	Number: ampling B ampling C		100.5	8.15 /030    15					
				Eval	uation	Data						
Description	n of Samplin	g Point (Wel	I ID): N	1W-31D								
Measuring	Point (MP):			ve		Casing D	iameter (inc	ches):		2		
Total Dept	th of Well Be	low MP(ft.):	6	1.90		Type of C	Casing Mat	erial:		PVC		
Pepth to W	Vater Below 1	MP (ft.):	32	.90	•	Tubing N	_	-		930 15		
leight of	Column in W	ell (ft.):	29	100			t at (ft. below	MP):				
Vell Volui	me Conversio	on Factor:					on Method.		ED Micro-	nurge numn		
ee revers	e)				-	2370000000	011 1/10111011					
'ell Volui	me (Gallons):											
Time	Water Level (ft. below	Volume Removed		d Water See reverse to Temperature ("C or "F)				DO (mg/L)				
10 . Cm.	MP)	(Gallons)	(gpm)	l n ı ı	.10					measure parameters		
0550	33.05			10.200	7.45	1.3	190	5.58				
1056	33.02			11.000	7.35	1.4	920	0.00				
059	33.01			12.00C	7.29	1,3	580	0,00				
1102	33.01			12.10C	7.32	1.3	570	0.00				
										-		
						-						
C				Sampl			n					
Co	nstituents Sa	_			nple Conta				Field Prep	paration		
	<u>J</u>	UC			5 - 40m				Hal	Ice		
										1		
							_					
mple Ide S/MSD Id A/QC Cod aain of Ca	Personnel/Tin ntification Co dentification ding (i.e., Equ ustody Recor	oding/Dupli Coding: uipment Rin	cate Ident	ification Codi	ing:		05 -31 D/12 -31 D/12 -31 D/12	12220     22204     59	y Mw Msp	1-310 /1222VY		
Remarks:	GWSAMP.FRM		,. 				121	<u> </u>		12/17/2004		



Client/P	roject:	<b>EMD</b>			Projec	t Number:		100.5	8.15	
Location	Location: Cincinnati, OH  Weather: Clovay 46°F  Date: IZII/04				Time !	Sampling Be	egan:	-4	310	0830
Weather					Time !	Sampling Co	ompleted:			0940
Date:			12   Z     U	4						
			5200 102 <mark>-</mark> 1	Evalı	uatio	n Data				
Description	on of Samplin	g Point (Wel	IID):	MW-4						
	g Point (MP):			700		Casing D	iameter (inc	ches):		2
Total Dep	oth of Well Be	low MP(ft.):		55.34			Casing Mate	-		PVC 5. S.
-	Water Below	0.51 200		29.68		Tubing M				eflon-lined
Height of	Column in W	Vell (ft.):					t at (ft. below	<i>MP</i> ):		
	ume Conversi						on Method:		)FD Micro	-purge pump
(see rever						Druchull	on michion.		ith Teflon	
Well Volt	ll Volume (Gallons):									
		(		d Water	_			ers		
			(S	ee reverse fo	or stabi	lization cri	iteria)			
Time	Water Level (ft. below MP)	Volume Removed (Gallons)	Pumping Rate (gpm)	Temperature (°C or °F)	рН	SEC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Instrument used to measure parameters
	-									
	W ///					-			-	
						-			<del> </del>	
•										
									-	
									<del>                                     </del>	
				Sample	e Info	rmatio	n			
C	Constituents Se	ampled		Sam	ple Con	tainers			Field Pre	eparation
-									,	
	Personnel/Tin			1947 1 - 1 (1900-1919 - 1440 )		093	5	c 31c/.	Jon H	
			cate Identi	fication Codin	ng:	MW-L	1221/11	04		
	Identification	0					M			
	oding (i.e., Eq	_		eld Blank):			M	(7)	40.	
nain of C Remarks:	Custody Recor AM			11:01	0.20	4.4	,	13414	8	7
	100	SAMILO	7,090	////	Vern		ump, G	Levi	(0)	BAMPLE
Verna	y GWSAMP.FRN	M/kjc W AL	Con ad	RO- BAILE W. L. TO		lemoved over to	) 9AC	MAC (	74.70)	12/17/2004 THEN
		.,	nLL.OUT	S AMDIR				C		



Client/Pr	oject:I	EMD			Project .	Number:		100.5	8.15	
Location.	. (	Cincinnati,				ampling Be	egan:		1230	
Weather:		150	FG	· V		ampling Co				
Date:			12/20/0	1						
				IVI	4.0	ID - 4 -				
				Eval	uation	Data				
Description	n of Sampling	g Point (We	ll ID):	MW-42	7					
-	Point (MP):			TOC		Casing D	iameter (inc	hes).		2
	th of Well Bel	low MP(ft):		59.50			asing Mate			PVC
-	Vater Below N	070.000	-	31.Z	-	Tubing M		——————————————————————————————————————	Tet	flon-lined
	Column in W			1.6		_	at (ft. below	<i>MP</i> ) •	16.	Hon-med
	me Conversio						on Method:		ED Mioro	
(see revers		n rucior.	-		-	Lvacuano	m meinoa:		ith Teflon	-purge pump bladder
	me (Gallons):									orador .
.,	iive (Guilons)									
			Ground	d Water	Samp	ling Pa	iramet	ers		
				ee reverse f						
Time	Water Level	Volume	Pumping	Temperature	pН	SEC	Turbidity	DO	ORP	Instrument used to
	(ft. below MP)	Removed (Gallons)	Rate	(°C or °F)		(µS/cm)	(NTU)	(mg/L)	(m V)	measure parameters
1247	31.24	(Gallons)	(gpm)	10.7	8.00	0.36	240	7.10	13	
1250	31.69			13.5	7.83		730	6.80	-17	
1257	31.68			7.1	7.76	0.47	240	6.8 V	-20	
1756	31.76			7.8	7.72	0.49	240	6.81	-18	
1759										
							,		<del> </del>	
							L	L		
				Sampl	e Info	rmatio	n			
C	onstituents Sa	unlad		_	nple Conta				Et ald Do	
C		anpieu		Sun	mpie Conia	iners			Field Pre	
	VUC	8260			5-40A	nc .		H-	1 7	ll .
Samplina F	Personnel/Tim	a Camplas	Collected	(such	KMH	1760				
	ntification Co	-			ina.	1258	47/			
	dentification		caic menti	усинон Сра	g.	MW.	42   127c	204		
	ding (i.e., Equ	-	sate or Fie	eld Blank):			<u> </u>			
	ustody Record	_		Dewilly,	•		154160	)		
Remarks:			Lenoved	MG	al.		171100			
Vernav	GWSAMP.FRM	I/kic	100000	U . /	710					12/17/2004

Vernay GWSAMP.FRM/kjc



12/17/2004

Client/Pr Location Weather: Date:	: _	EMD Cincinnati,		201	Time S	t Number: Campling B Campling C	-	100.53	8.15 196 1119	
			*	Eval	uation	<b>Data</b>				
Descriptio	n of Sampling	g Point (Wel	l ID):	MW.43	3A					
Measuring	g Point (MP):			100		Casing D	iameter (inc	ches):		2
Total Dep	th of Well Bei	low MP(ft.):		53.Z6			Casing Mat			PVC
Depth to V	Water Below I	MP (ft.):		35.68		Tubing N	0		Te	flon-lined
Height of	Column in W	'ell (ft.):		17.58		_	t at (ft. below	MP):		
Well Volu	me Conversio	n Factor:					on Method.		FD Micro	-purge pump
(see revers						Z, actual	on macinous		ith Teflon	
Well Volu	me (Gallons):									
			~	B WW7		11 W				
		(		d Water		0		ers		
			(S	ee reverse i	for stabil	ization cr	iteria)			
Time	Water Level (ft. below MP)	Volume Removed (Gallons)	Pumping Rate (gpm)	Temperature (°C or °F)	рН	SEC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Instrument used to measure parameters
1096	35.66		(8)	11.2	7.65	0.58	480	7.08	31	SULFER ODOFO
1059	36.61			10.00	7.98	0.50	170	4.78	-1	
2011	36.98			10.0	8.10	0.58	180	4.79	-5	
1108	36.86			4.8	8.17	0.62	170	5.97	5	
44	36.98			4.3	8.12	0.60	170	5.45	>	-
			***************************************		<b></b>	<del> </del>			-	
Ca	onstituents Sa	mpled		_	le Info	rmatio	n		Field Pre	eparation
					~~					
	Personnel/Tim	-				10 - 0	Che/Smt	1		
	ntification Co		cate Identi	fication Codi	ing:		nw 43	A/IZZ	04	
	dentification	-		11.01		MA				
	ding (i.e., Equ			eld Blank):		14	10.5.			
Cnain of C Remarks:	ustody Record		-	11 6	Dane		15416	eril)		
aremum us.	1099-	Purport	1	Glorder	RMe	M belle	(1)	5 411		



12/17/2004

Client/P	roject:	EMD			Project	Number:		100.5	8.15	
Location	n:	Cincinnati,			Time S	ampling B	legan:		0840	-
Weather	r:	7vm	7 40	ef .	Time S	ampling C	Completed:		09	30
Date:			12/21/6	74			•			
				T- 1	. •	-				
				Eval	uation	Data				
Descripti	on of Samplin	g Point (We	ll ID):	MW.4	14			P <u>arana</u>		
Measurin	ng Point (MP):			100		Casing L	Diameter (inc	ches):		2
Total Dep	oth of Well Be	low MP(ft.):		56.03		Type of	Casing Mate	erial:		PVC 5.5.
Depth to	Water Below I	MP (ft.):		78.73	3	Tubing I	Material:		Te	flon-lined
Height of	f Column in W	Vell (ft.):				Pump Se	et at (ft. below	MP):		
Well Vol	ume Conversio	on Factor:				Evacuati	ion Method:		ED Micro	-purge pump
(see rever	rse)								with Teflon	
Well Vol	ume (Gallons):									
			CHARRY	d W/otore	C	line D				
		`		d Water See reverse 1				ers		
Time	Water Level	Volume					,		T 055	
Time	(ft. below MP)	Removed (Gallons)	Pumping Rate (gpm)	Temperature (°C or °F)	pН	SEC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Instrument used to measure parameters
0858	28.20	1	187.19	13.3°C	6.58	1.4	1999	3.67	167	Flow Horn GM
0801	28.35			14.0°C	6.72	1.5	71999	2.68	162	14
0904	28.36			14.400	6.76	1.5	1999	3.46	159	11
0907	28.36			14.90€	6.77	1.4	7999	4.04	159	/1
0910	28.43			15.0°C	6.80	1.4	2999	4.84	159	1,
0913	28.43			14.90€	6.81	1.4	1999	5.01	158	11
0916	28.36			14.700	6.85	1.4	1999	4.92	158	"
0919	28.33			14.6°C	6.82	1.4	7999	4.98	157	11
				-					-	
			•	Samul	o Info	erro o ti c				
				Sampl	e mio	rmauc	) II I			
(	Constituents Sa	impled		San	nple Conta	iners			Field Pre	paration
V	DC 820	60		3 - 40	Danl			HC	-lice	
									1,00	
	-									
	Personnel/Tin			In		092	20			
	lentification C		icate Identi	ification Codi	ing:	1W44/	122104		- 12	
	Identification	0								
	oding (i.e., Equ			etd Blank):		-		12:1 1:1		
	Custody Recor	_	sy:		1	A	1 -	154 149	3	
Remarks:		Cenoved	1gr	- 50	od N	licas-	บก68			
Verna	y GWSAMP.FRM	1/kjc	- 1							12/17/2004



12/17/2004

Client/Pr		EMD				Number:		_100.	.58.15	
Location.		Cincinnati,		1 40 615		Campling B			1520	>
Weather: Date:			Clour		Time S	Campling C	ompleted:			
Dute:			12 21	04						
				Eval	uation	n Data				
escription (	n of Samplin	g Point (Wel	l ID):	MW	-511					
1easuring	g Point (MP):			100		Casing D	iameter (inc	ches):		2
otal Dept	th of Well Be	low MP(ft.):		12.21		Type of C	Casing Mate	erial:		PVC 55
epth to V	Vater Below 1	MP (ft.):		17.0	7	Tubing N			Te	flon-lined
eight of	Column in W	'ell (ft.):				Pump Se	t at (ft. below	MP):		
Vell Volu	me Conversio	on Factor:				-	on Method:		OFD Micro	-purge pump
see revers						2,40,40	011 1/10111011	-	with Teflon	
Vell Volu	me (Gallons):									
			~							
		(	Ground	d Water	Samp	oling Pa	aramet	ers		
			(S	ee reverse f	for stabil	ization cr	iteria)			
Time	Water Level	Volume	Pumping	Temperature	рН	SEC	Turbidity	DO	ORP	Instrument used to
	(ft. below MP)	Removed (Gallons)	Rate (gpm)	(°C or °F)		(µS/cm)	(NTU)	(mg/L)	(m V)	measure parameters
534	17.22	(Ganons)	(gpm)	17.60	1.00	1.8	7/000	7.54	176	
1537	17.03			17.7	7,03	1.8	7/000	0.36		
1940	17.74			17.7	7.02	1.8	7/000	0.13	73	
1543	17.90			12.3	7.01	1.8	71000	0.0	74	
1546	17.47			12.1	7.01	1.8	71000	0.0	74	
1950	LSIC	<del>  </del>				-	<b></b>	ļ		
1110	0.700							-		
				Samul	a Info	rmatio	170			
				Sampi		IIIIauu	111			
Co	onstituents Sa	ımpled		San	nple Conto	ainers			Field Pre	paration
					21		_			
						/				
	Personnel/Tin			Mary Control of the C		18K/3n	NH -	1548	3	
	ntification Co		cate Identi	fication Codi	ing:		MW.	51A	122.00	1
	dentification	O			1	A			7	
	ding (i.e., Equ	_		eld Blank):		1	RIW		27104	e /670
	ustody Record	a Number(s,	): 	-0		16	150	1148		
marks:				10monso	U.	- VS apri				
Vernay	GWSAMP.FRM	1/kjc				•				12/17/2004

Vernay GWSAMP.FRM/kjc



12/17/2004

Evaluation Data    Evaluation Data	Client/P	Project:	EMD			Project	Number:		100.5	8.15	
Date:	Location	n: _	Cincinnati,	OH		Time Se	ampling B	egan:	11	140	
Evaluation Data    Evaluation Data	Weather	r:	30	7,45	CE	Time So	ampling Co	ompleted:		1120	
Description of Sampling Point (Well II):    Casing Diameter (Inches):   2	Date:		***************************************	12/21/0	4					,	
Casing Diameter (inches): 2   Casing Diameter (inches): 2   Copth to Well Below MP (ft.): 59.0   Type of Casing Material: Teflon-lined leight of Column in Well (ft.):				, ,	Eval	uation	Data				
Type of Casing Material:   PVC   Popth to Water Below MP (h.):   Z 9.56   Tubing Material:   Teflon-lined   Pump Set at (h. below MP):   Pumping Parameters   See reverse for stabilization criteria)   See reverse for stabilization criteria   Pumping Parameters   See reverse for stabilization criteria   Pumping Parameters	Descripti	on of Samplin	g Point (We	ll ID):	P-6	)					
Type of Casing Material:   PVC   Popth to Water Below MP (h.):   Z 9.56   Tubing Material:   Teflon-lined   Pump Set at (h. below MP):   Pumping Parameters   See reverse for stabilization criteria)   See reverse for stabilization criteria   Pumping Parameters   See reverse for stabilization criteria   Pumping Parameters		_			700		Casing D	iameter (in	ches):		2
Depth to Water Below MP (fi.):    Eight of Column in Well (fi.):   Pump Set at (fi. below MP):   Evacuation Method:   QED Micro-purge pump with Teflon bladder			low MP(ft.):		54.0						
Pump Set at (1), below MP);   Evacuation Method:   QED Micro-purge pump with Tellon bladder	_				79.50					Tet	
Vell Volume (Gallons):   Cround Water Sampling Parameters (See reverse for stabilization criteria)   Time						)	107		MP):		
Count   Volume   Gallons):   Ground   Water Sampling   Parameters	Well Vol	ume Conversio							· Q		
Ground Water Sampling Parameters (See reverse for stabilization criteria)  Time   Water Level   Volume   Pumping   Temperature   pH   SEC   Turbidity   DO   (mg/L)		•							W	illi Telloli	bladdel
(See reverse for stabilization criteria)  Time Water Level (ft. below Removed Rate (ft. below Rate (ft	/ 011	(Ganons).				-					
(See reverse for stabilization criteria)  Time Water Level (ft. below Removed Rate (ft. below Rate (ft				Ground	d Water	Samp	ling Pa	aramet	ters		
Time Water Level (ft. below Removed (ft. below MP) Volume (ft. below MP) (ps/cm) (ps/c											
Constituents Sample   Collected:   Constituents Sample   Collected:	Time	Water Level	Volume						DO	ORP	Instrument used to
Coff   Fo.Olo   Fill				(2) (2) (2) (3)	(°C or °F)						measure parameter.
Sample Information  Constituents Sampled  Sample Containers  Sample Containers  Field Preparation  Symple Identification Coding/Duplicate Identification Coding:  SymsD Identification Coding:  May Coding (i.e., Equipment Rinsate or Field Blank):  hain of Custody Record Number(s):  13.8 9.67 1.1 240 8.34 -85  10.9 8.63 -81  10.9 8.63 -81  10.9 8.63 -81  10.9 8.63 -81	1255		(Gallons)	(gpm)	(5,0)	4.05	1.1	480	7.79	606	
Sample Information  Constituents Sampled  Sample Containers  Sample Containers  Field Preparation  Constituents Coding:  Symptomatication Coding:  S	W58							1		-47	
Sample Information  Constituents Sampled  Sample Containers  Field Preparation  SymsD Identification Coding:  SymsD Identification Coding:  Maple Coding (i.e., Equipment Rinsate or Field Blank):  Main of Custody Record Number(s):  [1.5 8.30 1.1 300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  300 8.04 - 96  3	1101	79.70			13.8		1.1				
Sample Information  Constituents Sampled  Sample Containers  Field Preparation  Impling Personnel/Time Samples Collected:  Impling Personnel/Time Samples Collected:  Impling Personnel/Time Samples Collected:  Impling Personnel/Time Samples Collected:  IMPLICATION	-						1,1			-86	
Constituents Sampled  Sample Containers  Field Preparation  Impling Personnel/Time Samples Collected:  Implication Coding Population Coding:  Implication Coding Population Coding:  Implication Coding Population Coding Populati	1101	79.05			10,9	8.79	1.1	310	8.63	-81	
Constituents Sampled  Sample Containers  Field Preparation  Impling Personnel/Time Samples Collected:  Implication Coding Population Coding:  Implication Coding Population Coding:  Implication Coding Population Coding Populati											
Constituents Sampled  Sample Containers  Field Preparation  Impling Personnel/Time Samples Collected:  Implication Coding Population Coding:  Implication Coding Population Coding:  Implication Coding Population Coding Populati								<b></b>			
Constituents Sampled  Sample Containers  Field Preparation  Impling Personnel/Time Samples Collected:  Implication Coding Population Coding:  Implication Coding Population Coding:  Implication Coding Population Coding Populati											
Constituents Sampled  Sample Containers  Field Preparation  Impling Personnel/Time Samples Collected:  Implication Coding Population Coding:  Implication Coding Population Coding:  Implication Coding Population Coding Populati											
Constituents Sampled  Sample Containers  Field Preparation  Impling Personnel/Time Samples Collected:  Implication Coding Population Coding:  Implication Coding Population Coding:  Implication Coding Population Coding Populati											
impling Personnel/Time Samples Collected:  Imple Identification Coding/Duplicate Identification Coding:  S/MSD Identification Coding:  4/QC Coding (i.e., Equipment Rinsate or Field Blank):  hain of Custody Record Number(s):  154148					Sampl	e Info	rmatio	n			
impling Personnel/Time Samples Collected:  Imple Identification Coding/Duplicate Identification Coding:  S/MSD Identification Coding:  4/QC Coding (i.e., Equipment Rinsate or Field Blank):  hain of Custody Record Number(s):  154148	0	Constituents So	umpled		San	nnle Conto	in <i>o</i> ve			Field Due	manation
Imple Identification Coding/Duplicate Identification Coding:  S/MSD Identification Coding:  A/QC Coding (i.e., Equipment Rinsate or Field Blank):  hain of Custody Record Number(s):  154148			impieu		Sun	apie Coma	iners			rieiu rre	paranon
Imple Identification Coding/Duplicate Identification Coding:  S/MSD Identification Coding:  A/QC Coding (i.e., Equipment Rinsate or Field Blank):  hain of Custody Record Number(s):  154148		~~~									
Imple Identification Coding/Duplicate Identification Coding:  S/MSD Identification Coding:  A/QC Coding (i.e., Equipment Rinsate or Field Blank):  hain of Custody Record Number(s):  154148											
Imple Identification Coding/Duplicate Identification Coding:  S/MSD Identification Coding:  A/QC Coding (i.e., Equipment Rinsate or Field Blank):  hain of Custody Record Number(s):  154148											
Imple Identification Coding/Duplicate Identification Coding:  S/MSD Identification Coding:  A/QC Coding (i.e., Equipment Rinsate or Field Blank):  hain of Custody Record Number(s):  154148											
Imple Identification Coding/Duplicate Identification Coding:  S/MSD Identification Coding:  A/QC Coding (i.e., Equipment Rinsate or Field Blank):  hain of Custody Record Number(s):  154148	ampling	Personnel/Tin	ne Samples	Collected:			1109	1150 -	SMH		
S/MSD Identification Coding:  A/QC Coding (i.e., Equipment Rinsate or Field Blank):  hain of Custody Record Number(s):  154148					ification Codi	ina·	1101	0-1	10000	A	
A/QC Coding (i.e., Equipment Rinsate or Field Blank):  hain of Custody Record Number(s):  154148				200166	, Cour		14	Y-V	115010	7	
hain of Custody Record Number(s): 154148				isate or Fie	eld Blank):		NA				
			-		,		154	148			
	emarks:				5 mm	A		10			



Constituents Sample   Constituents Sample   Constituents Sample   Sample Containers   Field Preparation	Client/Pr	-	EMD			Project	t Number:		100.	58.15	
Description of Sampling Point (Well ID):  Measuring Point (MP):  Total Depth of Well Below MP(h):  Height of Column in Well (h):  Well Volume Conversion Factor:  (see reverse)  Well Volume (Gallons):  Time  Water Level Volume (Gallons):  Time  Water Level Volume (Gallons):  Time  Water Level (Sallons)  Ti	Location	·	Cincinnati,	OH		Time S	Sampling B	egan:		1414	
Evaluation Data  Description of Sampling Point (Well ID):  Measuring Point (MP):  Total Depth of Well Below MP(B):  Leight of Column in Well (B):  Well Volume Conversion Factor:  Well Volume (Gallons):  Total Depth of Water Sampling Parameters  (See reverse)  Well Volume (Gallons):  Total Depth of Water Sampling Parameters  (See reverse)  Well Volume (Gallons):  Time Water Level Volume Removed Rate (CO or F) (MSCm) (NTU) (mg/L) (mV) measure parameter (Gallons) (Ggm)  Time (Gallons) (Ggm) (Gallons) (Ggm) (FO or F) (MSCm) (NTU) (mg/L) (mV) measure parameter (Gallons) (Ggm) (Gallons) (Ggm) (Ggm) (Gallons) (Ggm) (G		-	20°F,	· Clock	4	Time S	Sampling Co	ompleted:		1425	•
Description of Sampling Point (Well 1D): MS 506  Measuring Point (MP): TOC Casing Diameter (inches): 2  Total Depth of Well Below MP (h.): 13.16 Tubing Material: Tellon-lined  Height of Column in Well (h.): 0.97 Pump Set at (h. below MP):  Well Volume Conversion Factor: X 0.163 Evacuation Method: QED Micro-purge pump with Tellon bladder  Well Volume (Gallons): 0.1 gd.  Ground Water Sampling Parameters  (See reverse for stabilization criteria)  Time Water Level Volume Removed (h. below MP): Gegmb (Cort) (h. below MP): (Gallons) (gpm)  Time (G. below Removed (gpm) Rate (Cort)) (h. below MP): (Gallons) (gpm)  Sample Information  Constituents Sampled Samples Collected: Sample Containers Field Preparation Hell, 1Ce  Sampling Personnel/Time Samples Collected: SOL MMP - Level Samples Collected: Soll MMP - Level Samples Colling: MW Sole / 1222 04  DAVOC Coding (h.e., Equipment Rinsate or Field Blank): Coling (h.e., Equipment Rinsate or Field Blank): Coling (h.e., Equipment Rinsate or Field Blank): Colons (h.e.	Date:	-	12/20/	of							
Measuring Point (MP):  Total Depth of Well Below MP (6):  Height of Column in Well (6):  Well Volume Conversion Factor:  (see reverse)  Well Volume (Gallons):  Time Water Level (ft. below MP) (Gallons) (Ggm)  Time (Gallons) (Gallons) (Ggm)  Time (Gallons) (Gallons) (Ggm)  Sample Information  Constituents Sampled  VOC Onstituents Samples Collected:  Sample Information  Sample Containers  Sample Information  Sample Containers  Field Preparation  Hell, {Cee  MP - George Collected:  Sample Information  Sample Containers  Sample Information  Sample Information  Sample Containers  Field Preparation  Hell, {Cee  MP - George Collected:  Sample Information  Sample Information  Sample Containers  Field Preparation  Hell, {Cee  MP - George Collected:  MP - See - Casing Diameter (no.ches):  Sample Information  Sample Containers  Field Preparation  Hell, {Cee  MP - George Collected:  MP - See - Casing Diameter (no.ches):  MW - See / Lazo of Collected:  MW - See / Lazo of Collected:  MW - See / Lazo of Collected:  Manual Colling (Lee, Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  Meanual Color of the Author of Colling:  Collected See - Casing Collected See - Collected					Eval	uatior	n Data				
Measuring Point (MP):  Total Depth of Well Below MP (6):  Height of Column in Well (6):  Well Volume Conversion Factor:  (see reverse)  Well Volume (Gallons):  Time Water Level (ft. below MP) (Gallons) (Ggm)  Time (Gallons) (Gallons) (Ggm)  Time (Gallons) (Gallons) (Ggm)  Sample Information  Constituents Sampled  VOC Onstituents Samples Collected:  Sample Information  Sample Containers  Sample Information  Sample Containers  Field Preparation  Hell, {Cee  MP - George Collected:  Sample Information  Sample Containers  Sample Information  Sample Information  Sample Containers  Field Preparation  Hell, {Cee  MP - George Collected:  Sample Information  Sample Information  Sample Containers  Field Preparation  Hell, {Cee  MP - George Collected:  MP - See - Casing Diameter (no.ches):  Sample Information  Sample Containers  Field Preparation  Hell, {Cee  MP - George Collected:  MP - See - Casing Diameter (no.ches):  MW - See / Lazo of Collected:  MW - See / Lazo of Collected:  MW - See / Lazo of Collected:  Manual Colling (Lee, Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  Meanual Color of the Author of Colling:  Collected See - Casing Collected See - Collected	Descriptio	n of Samplin	g Point (Wel	ll ID):	MW-506						
Depth to Water Below MP (6.):  Height of Column in Well (6.):  Well Volume Conversion Factor:  (see reverse)  Well Volume (Gollons):  Ground Water Sampling Parameters  (See reverse for stabilization criteria)  Time Water Level Volume (Gallons) (Gam)  Why (Gallons) (Gam)  Time (G. below Removed Rollons) (Gam)  Well Volume (Gallons) (Gam)  Time Water Level Volume (Gallons) (Gam)  To pumping Temperature (To r F)  MP)  Sample Information  Constituents Sampled  Sample Containers  Sample Containers  Field Preparation  HCI, 1Ce  Sample Information Coding:  WW-Sob/122004  DAGC Coding (Le., Equipment Rinsate or Field Blank):  Canarks:	Measurin	g Point (MP):			TOC		Casing D	iameter (inc	hes):		2
Height of Column in Well (ft.):	Total Dep	th of Well Be	low MP(ft.):		14.05		Type of C	Casing Mate	erial:		PVC
Well Volume (Gallons):    See reverse   See	_		•		13.18		Tubing M	Iaterial:		Te	flon-lined
Well Volume (Gallons):   See reverse for stabilization criteria)   Time   Water Level   Volume   Rane   (Gallons)   (Gallons					0.51		Pump Se	t at (ft. below	MP): _		***************************************
Sample Information  Constituents Sampled  Constituents Sampled  Constituents Samples  Constituents  Constituents			on Factor:	X	0.169	)	Evacuati	on Method:	_		
Ground Water Sampling Parameters (See reverse for stabilization criteria)  Time   Water Level   Gi. below   Removed   Rate   (PC or P)					0100				,	with Teflon	bladder
(See reverse for stabilization criteria)  Time   Water Level   Volume   Removed   Rate   ("C or "F)	well volu	me (Gallons):			vi ga.						
(See reverse for stabilization criteria)  Time   Water Level   Volume   Removed   Rate   ("C or "F)				Ground	d Water	Samp	oling Pa	aramet	ers		
Constituents Sample   Sample Information											
Sample Information  Constituents Sampled  Sample Containers  Sample Containers  Field Preparation  Hel, 1ce  Sampling Personnel/Time Samples Collected:  Sample Identification Coding/Duplicate Identification Coding:  MW-Sob/122004  ISMSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  [54]60	Time					рН			DO	ORP	Instrument used to
Constituents Sampled    Sample Containers   Field Preparation					(°C or °F)		(µS/cm)	(NTU)	(mg/L)	(m V)	measure parameters
Constituents Sampled    Sample Containers   Field Preparation			_								
Constituents Sampled    Sample Containers   Field Preparation											
Constituents Sampled    Sample Containers   Field Preparation											
Constituents Sampled    Sample Containers   Field Preparation											
Constituents Sampled    Sample Containers   Field Preparation											
Constituents Sampled    Sample Containers   Field Preparation								-		-	-
Constituents Sampled    Sample Containers   Field Preparation											
Constituents Sampled    Sample Containers   Field Preparation							-				
Constituents Sampled    Sample Containers   Field Preparation					Sampl	o Info	wm otio	<u> </u>			
Sampling Personnel/Time Samples Collected:  Sol / Mmt - / Grap  Sample Identification Coding/Duplicate Identification Coding:  MW-506/122004  MS/MSD Identification Coding:  OA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  Remarks:	0				_			LL			
Sampling Personnel/Time Samples Collected:  Sample Identification Coding/Duplicate Identification Coding:  MW-506/122004  1S/MSD Identification Coding:  OA/QC Coding (i.e., Equipment Rinsate or Field Blank): Chain of Custody Record Number(s):  Remarks:	C	,	impled		San	nple Cont	ainers			Field Pro	eparation
Sample Identification Coding/Duplicate Identification Coding:  1S/MSD Identification Coding:  1S/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  Remarks:		100			34	tome.	glass	•		te1,10	e
Sample Identification Coding/Duplicate Identification Coding:  1S/MSD Identification Coding:  1S/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  Remarks:											
Sample Identification Coding/Duplicate Identification Coding:  1S/MSD Identification Coding:  1S/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  Remarks:											
Sample Identification Coding/Duplicate Identification Coding:  1S/MSD Identification Coding:  1S/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  Remarks:				-							
1S/MSD Identification Coding:  DA/QC Coding (i.e., Equipment Rinsate or Field Blank):  Chain of Custody Record Number(s):  Remarks:			_				nint -	- 1420	•		
QA/QC Coding (i.e., Equipment Rinsate or Field Blank): Chain of Custody Record Number(s):  Remarks:				cate Identi	fication Codi	ng:	MW-50	6/122	00d		
Chain of Custody Record Number(s): 154160 Remarks:		•	0		ald Di. 1						
Remarks:					eid Blank):		1641	1.0	~		
		ALCON	w 1 vanioer (S	·	****		1271	90			
Vernay GWSAMP.FRM/kjc 12/17/2004		GWSAMP.FRM	1/kjc								12/17/2004



Client/Pa Location Weather Date:	ı:	EMD Cincinnati, 20°F,	OH OVY COS	<i>t</i>	Time S	Number: ampling B ampling C		100	0.58.15 0950 1038	
				Eval	uation	Data				
Measuring Total Dep Depth to lead Height of Well Volu See rever	on of Sampling Point (MP): oth of Well Be Water Below I Column in W ume Conversionse) ume (Gallons):	low MP(ft.): MP (ft.): Vell (ft.): on Factor:		MN-500 36.49 33.76 2.71 1-4-x	<u>0.16</u> 3	Casing D Type of C Tubing M Pump Se Evacuation	t at (ft. below on Method:	erial: _ - MP): _		PVC flon-lined -purge pump bladder
		,		d Water ee reverse f				ers		
Time	Water Level (ft. below MP)	Volume Removed (Gallons)	Pumping Rate (gpm)	Temperature (°C or °F)	рН	SEC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Instrument used to measure parameters
	onstituents Sa	empled		Sample Sam 3 40ml	iple Conta		n 	ik	Field Pre	paration
mple Ide S/MSD I VQC Cod	Personnel/Tim ntification Co dentification ding (i.e., Equ ustody Record	oding/Dupli Coding: uipment Rin	cate Identij <u>M</u> sate or Fie	W-508/1	ng:	u	122004 MW-50	1039 2 - 08 [[3	5 DUP 02 ₁ 22004 pr	12200+ (15414 50



Client/Pr	roject:	<b>EMD</b>			Proiect	Number:		100	58.15	
Location	_	Cincinnati,	ОН			ampling B	egan:		241	
Weather:			overcas	A		ampling C			1110	
Date:	_	12/20	152/			•	•	-	11.0	
		•				<b>Data</b>				
Descriptio	n of Samplin	g Point (We	II ID):	MW-508	B					
Measuring	g Point (MP):			TOR		Casing D	iameter (inc	ches):		2
Total Dep	th of Well Be	low MP(ft.):		50.12			Casing Mate			PVC
Depth to V	Water Below I	MP (ft.):	2	3.26		Tubing M			Te	flon-lined
Height of	Column in W	Vell (ft.):	10	6.86			t at (ft. below	MP):		
Well Volu	me Conversio	on Factor:		0.163			on Method:		OFD Micro	-purge pump
(see revers						Drucuut	on memou.		with Teflon	
Well Volu	me (Gallons):			2.7 gal.						
Time	Water Level	Volume	Ground	d Water see reverse for	Samp or stabil	ization cr	iteria)			
Time	(ft. below MP)	Removed (Gallons)	Pumping Rate (gpm)	(°C or °F)	pН	SEC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Instrument used to measure parameters
								10		
						-				
	onstituents Sa	ımpled		Sample Sam 3 40	ple Cont	ainers	n 	Hel	Field Pre	paration
Sample Ide 'AS/MSD Id	dentification	oding/Dupli Coding:	cate Identi	<b>S</b> fication Codi	// 0-	IMH W-50C	- 11 BB/12	05 2004		
	ding (i.e., Equ			eld Blank):						
Chain of Ci Remarks:	ustody Record	d Number(s	): 			154	160			
temurks:			-							

Client/Project:

**EMD** 



100.58.15

### **General Information**

Project Number:

Location	ı:	Cincinnati,			Time S	ampling Bo	egan:	/	250	
Weather	: _	20°F, 8	Vircust	•	Time S	ampling Co	ompleted:		3/0	
Date:		12/20/	lose							
				Eval	uation	Data				
Dagavinti	on of Camalia	a Dains (W.	W							
	on of Samplin	g Point (we		MW-509		<i>a</i>	•			
	g Point (MP):	1 160		TOC	2 7/		iameter (inc			2
	oth of Well Be				3.7/	257,3758	Casing Mate	erial:		PVC
	Water Below I	-		11.25	1.40	Tubing M			Te	eflon-lined
	Column in W			9.23		Pump Se	t at (ft. below	MP):		
	ıme Conversio	on Factor:	X_	0.163		Evacuation	on Method:	-		-purge pump
(see rever <i>Well Volu</i>	se) ime (Gallons):		1.5	gal.				V	vith Teflon	bladder
	•			•	~					
		(		d Water				ers		
			(S	ee reverse f	or stabil	ization cri	iteria)			
Time	Water Level (ft. below MP)	Volume Removed (Gallons)	Pumping Rate (gpm)	Temperature (°C or °F)	рН	SEC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Instrument used to measure parameters
						ļ				
						-				
									-	
				Sampl	e Info	rmatio	n			
C	onstituents Sa	impled		San	iple Cont	ainers			Field Pre	eparation
	VOC			3 40	nl. gla.	rc		H	l, we	- 0.00 most of processes of the control of the cont
				0 000	4. 9100.			uc	1	
						/				
	Personnel/Tin	_			sor/	mmet -	1308			
	entification Co		icate Identi	fication Codi	ng:	NW-50	94/12	roof		71-1
	Identification				-					* * * * * * * * * * * * * * * * * * *
	ding (i.e., Equ			eld Blank):		1-1-1-	<i>(</i> A			
nain of C Lemarks:	Custody Recor	a wumber(s	): 	e. 1	// ****	15411	00		0. /	
	WM	- Mard	1.	39al	Morre	e to a	e-win	ge F.	yangle	d.
Vernay	y GWSAMP.FRM	1/kjc		V				•	<b>#</b> 3	12/17/2004

**EMD** 

Client/Project:



### **General Information**

Project Number:

Client/Pr	roject:	EMD			Project	Number:		100.5	8.15	
Location	: _	Cincinnati,			Time S	ampling B	egan:	12	300	
Weather.	: _	20°F.	1. Clove	thy	Time S	ampling C	ompleted:		327	
Date:	_	12/2	0/04							
		•		Eval	uation	<b>Data</b>				
Description	on of Samplin	g Point (Wei	l ID):	MW-58	198					
Measurin	g Point (MP):			Toe		Casing D	iameter (incl	ies):	-	2
Total Dep	th of Well Be	low MP(ft.):	_	26.45		Type of C	Casing Mater	rial:		PVC
Depth to	Water Below	MP (ft.):		11.25	-	Tubing N			Te	flon-lined
Height of	Column in W	Vell (ft.):	-	15.2	the state of the same of the s		t at (ft. below)	MP):		
	me Conversi		X	0.163			on Method:		ED Micro	-purge pump
(see revers				0.100		Zitacaaa	on nacinou.		ith Teflon	
Well Volu	me (Gallons):		2	·5 gal.						
				"		line D				
		•		d Water				ers		
	× 1		(5)	ee reverse f	or stabil	ization cr	iteria)			
Time	Water Level (ft. below MP)	Volume Removed (Gallons)	Pumping Rate (gpm)	Temperature (°C or °F)	pН	SEC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Instrument used to measure parameters
						-				
						1	-		-	
						-			-	
						<del>                                     </del>				
C	anatitu anta S			Sampl			n			
C	onstituents So	итріеа			iple Cont			. /		eparation
	100			3 4	Oml.	1455		Ho	1,100	
MICROSCO CONTRACTOR CO										
Samplina l	Personnel/Tin	na Camplas	Collageads	SI	1-/1000	1016 -	1225			
Sample Ide	entification C dentification	oding/Dupli				W-509	8/1220	of		
	aenujicanon ding (i.e., Eq		sate or Fi	old Riamin.			Dan 1	105	10	164.60
Property and the second	uing (i.e., Ly) Sustody Recor	-		на Вшик);		+	-802/	15416		154158 6 1320
Remarks:	Calles	X Lold	Blan M	# 120	- 110	1 do	62:	12 110	Man-	-040
	GWSAMP.FRN	A/kic	WW !			11 0019	G 3.3	Jac.	ann	TO PERMY
venias	OWSAME.TRIV	ni/ KJC			4	Samp	led-			12/17/2004



Client/Pr	roject:	EMD			Project	Number:		100.5	88.15	
Location	SS 17.	Cincinnati,				ampling B	egan:	13	30	
Weather	: _	20°F, 1 12/201	· clardy		Time S	ampling C	ompleted:		1345	
Date:		12/201	1 sef							
				Eval	uation	<b>Data</b>				
Descriptio	on of Samplin	g Point (We	ll ID):	NW-510	A					
Measurin	g Point (MP):			oc		Casing D	iameter (inc	hes):		2
Total Dep	th of Well Be	low MP(ft.):		15.75		Type of C	Casing Mate	rial:		PVC
Depth to	Water Below I	MP (ft.):		14.91		Tubing N			Te	flon-lined
Height of	Column in W	Vell (ft.):		0.84			t at (ft. below	MP):		
Well Volu	ıme Conversio	on Factor:	X	0.163			on Method:		DED Micro	-purge pump
(see revers	se)								vith Teflon	
Well Volu	ıme (Gallons):			0.1 gol.						
					C	10 10	7			
		,		d Water See reverse f				ers		
Time	Water Level	Volume	Pumping	Temperature	pН	SEC	Turbidity	DO	ORP	Instrument used to
	(ft. below MP)	Removed (Gallons)	Rate (gpm)	(°C or °F)		(μS/cm)	(NTU)	(mg/L)	(mV)	measure parameters
						-			ļ	
									-	
						1				
	-									
						-			-	
	J.,			Sampl	e Info	rmatio	n	L		
C	omatitu omta Ca			•						
C	onstituents Sa	ітріви			ple Cont			,	Field Pre	paration
	VOC			3 4	Coml.	glass		H	C1, 100	
				***************************************						
					-					
Samplina l	Personnel/Tin	na Camplas	Callagrade	C	DL/mi		19.12			
	entification Co					Alas -	1777			
	dentification		caic tucili	jaunon Cour	ng	1110-5	10K/12	20 09		
	ding (i.e., Equ		sate or Fie	eld Blank):						
	ustody Recor			,				1541	60	
Remarks:		,		*****				+/-/	VU	
Vernay	GWSAMP.FRM	1/kic				-				12/17/2004

Vernay GWSAMP.FRM/kjc



12/17/2004

Client/Pi	roject:	<b>EMD</b>			Project	t Number:		100.5	88.15	
Location	_	Cincinnati,	OH ,			Sampling B	egan:		1330	
Weather	: _	20°F	p. clor	des		Sampling Co		-	1355	
Date:	_	12/2	box					-		
		1-100	70(	E		- D-4-				
				Evan	uatior	n Data				
Descriptio	on of Samplin	g Point (We	II ID): M	W-5102	5					
	g Point (MP):		7	oc.		Casing D	iameter (inc	hes):		2
1000000	oth of Well Be	low MP(ft.):		29.21	-		Casing Mate	-		PVC
50	Water Below 1	_		19.74	-	Tubing N			Te	flon-lined
	Column in W			9.47			t at (ft. below	MP):		iioii iiiou
	ıme Conversi	1000	V	0.163			on Method:	1000	)FD Micro	-purge pump
(see rever				0,100		Druchun	on memou.		vith Teflon	
Well Volu	ıme (Gallons):			1.5 gd	•					
			~							
		(		d Water				ers		
			(S	ee reverse f	or stabil	ization cr	iteria)			
Time	Water Level	Volume	Pumping	Temperature	pН	SEC	Turbidity	DO	ORP	Instrument used to
	(ft. below MP)	Removed (Gallons)	Rate (gpm)	(°C or °F)		(µS/cm)	(NTU)	(mg/L)	(mV)	measure parameters
~~~~~						-				
				-					-	
									-	
	-					-	<u> </u>		-	
					*****	-	-		-	
				Sample	e Info	rmatio	n			
C	onstituents Sc	umpled		San	iple Cont	ainors			Field Pre	maration
	Voc	pvc.u			_	_		16	/	paranon
	100			5 40	ml.	guss	-	TIC	1,100	
				~~~		·····				
										**
Sampling	Personnel/Tin	no Samples	Collected:	SI	1. / W	mt -	1251			
				fication Codi		100/01-	133/			
	Identification	-	Inchil	julion Coun		11100 5/	100/12	009		
	ding (i.e., Eq	_	sate or Fig	eld Blank):				-		
	Custody Recor						154160			
Remarks:							1 , , , , ,	***************************************		



Client/Pr	Client/Project: EMD					Project Number: 100.58.15						
Location	-	Cincinnati,			Time S	ampling B	egan:	1024				
Weather.	: _	35°F, p	· closs		Time S	ampling Co	ompleted:		1047			
Date:		12/21	lorf									
		. ( /	(	Evol	notion	Data						
				Evan	uauoi	<b>Data</b>						
Description	on of Samplin	g Point (We	(I ID):	Dh/001								
Measuring	g Point (MP):		10	re		Casing D	iameter (inc	hes):	2			
Total Dep	th of Well Be	low MP(ft.):	2	50.46		Type of C	Casing Mate	erial:	PVC Teflon-lined			
Depth to 1	Water Below I	MP (ft.):		8.82		Tubing M	Aaterial:					
Height of	Height of Column in Well (ft.):  Well Volume Conversion Factor:  (see reverse)  21.64  20.163					Pump Se	MP):					
Well Volu						Evacuati	on Method:	. (	QED Micro-purge pump			
(see revers									with Teflon bladder			
Well Volu	me (Gallons):			3.5 gd.								
					C	10 10						
		(		d Water				ers				
			(5	ee reverse f	or stabil	ization cr	iteria)					
Time	Water Level (ft. below	Volume Removed	Pumping	Temperature	pН	SEC	Turbidity	DO	ORP	Instrument used to		
	MP)	(Gallons)	Rate (gpm)	(°C or °F)		(µS/cm)	(NTU)	(mg/L)	(mV)	measure parameters		
						-						
						-						
						<del> </del>						
		-			-	-		-				
						-	-		-	-		
		-						li				
				Sample	e Info	rmatio	n					
C	onstituents Sc	umnled		Sam	ple Cont	ainars			Field Pre	manation		
1	100	p.c						11.		eparation		
	YOU			3 40	ml. 91	a85		HC	1,1ce			
	***************************************											
						***************************************						
Sampling l	Personnel/Tin	ne Samples	Collected.	CN	- /m m	4 -	last <					
				fication Codi		Dlaland	1043	./				
	dentification		cute Inches	jicanon coun		PRIODI	112210	7				
	ding (i.e., Eq	0	sate or Fig	eld Blank):								
	ustody Recor			,			15414	18				
Remarks:			-									
Vernay	GWSAMP.FRM	1/kjc						- Control		12/17/2004		



Client/Project: EMD					Project	Number:		100	100.58.15			
Location	:	Cincinnati,	ОН		Time S	ampling B	egan:		1000			
Weather:		35°F,	p.clon	dez	Time S	ampling C	ompleted:		1020			
Date:		35°F,	100/						6			
		.,,,,,	, - ,		uation	<b>Data</b>						
Descriptio	n of Samplin	g Point (Wei	II ID):	DW002	2_			_				
Measuring	g Point (MP):			oc		Casing D	iameter (inc	hes):	2			
Total Dept	th of Well Be	low MP(ft.):		27.83		Type of C	Casing Mate	erial: _	PVC			
_	Height of Column in Well (ft.):			1.14		Tubing Material:			Teflon-lined			
Height of				6.69		Pump Se	t at (ft. below	MP): _				
	me Conversio	on Factor:	X	0.163		Evacuati	on Method:		QED Micro-purge pump			
(see revers	15.			2 1					with Teflon	bladder		
Well Volu	me (Gallons):			7 gd.								
			Ground	d Water	Samp	ling Pa	aramet	ers				
				ee reverse f	-	_						
Time	Water Level	Volume	Pumping	Temperature	рН	SEC	Turbidity	DO	ORP	Instrument used to		
	(ft. below MP)	Removed (Gallons)	Rate (gpm)	(°C or °F)		(µS/cm)	(NTU)	(mg/L)	(m V)	measure parameters		
						<del> </del>						
						-	ļ					
									1			
				C 1	T C	4.0						
				Sampl	e into	rmatio	n					
Ca	onstituents Sc	umpled		San	nple Cont	ainers			Field Pre	paration		
	VOC			3 4	Oml.	Flass		l	Hel, we			
					/							
	***************************************		-									
Sampling I	Personnel/Tin	ne Samples	Collected.	<b>&lt;</b> 7	v/mm	al -	Inll					
	entification C	-				7/1/00	0/12.24	1 nel				
	dentification			,		9 4400	4 1001	7				
QA/QC Co	ding (i.e., Eq	uipment Rin	sate or Fie	eld Blank):								
	ustody Recor	d Number(s	):	-		-	154	148				
Remarks:	MM on	1 (V L	ris gal	lon, pe	-chang	ed & Sa	rapted.					
Vernay	GWSAMP.FRN	1/kjc	U		1					12/17/2004		



Client/Pr Location Weather: Date:	: _	EMD Cincinnati, 35° F.	OH p.els		Time S Time S	t Number: Sampling Bo Sampling Co	10000		8.15 99 30 0950	
Measuring Total Depth Depth to V Height of Well Volum (see reverse	n of Sampling Point (MP): th of Well Be Vater Below I Column in W me Conversion (E) me (Gallons):	low MP(fi.): MP (fi.): Vell (fi.): on Factor:	2 2 4 2 3 Ground	Dk/003 Toc. 9.33 0.22 19.11 0.163 ./gal. d Water see reverse f	Samı	Type of C Tubing M Pump Se Evacuation	t at (ft. below on Method: aramet	MP):		PVC flon-lined -purge pump bladder
Time	Water Level (ft. below MP)	Volume Removed (Gallons)	Pumping Rate (gpm)	Temperature (°C or °F)	pH	SEC (μS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Instrument used to measure parameters
Ca	onstituents So	umpled		San	nple Cont	ermation sainers	n -	Но	Field Pre	- 0.00000000000000000000000000000000000
Sample Ide 'S/MSD Ide QA/QC Cod Chain of C Remarks:	Personnel/Tin ntification Co dentification ding (i.e., Equ ustody Recor WW GWSAMP.FRM	oding/Dupl Coding: uipment Rid d Number(S	icate Identi nsate or Fie	fication Codi	or /m	mit DWar argul k	- 090 03/123 154148 sample	15		12/17/2004



Client/Project: EMD					Project	Number:		100.	100.58.15		
Location.		Cincinnati,	OH		Time S	ampling Bo	egan:		0935		
Weather:		35°E	p.ch	ordy	Time S	Campling Co	ompleted:	-	0955		
Date:	_	12/2	fort						•		
			100	Eval	nation	n Data					
				12 4 601		Data					
Descriptio	n of Samplin	g Point (We	ll ID):	DW000-	<u> </u>			<u> </u>			
Measuring	Point (MP):			Toe		Casing D	iameter (inc	hes):		2	
Total Dept	th of Well Be	low MP(ft.):		42.44		Type of C	Casing Mate	rial:	PVC Teflon-lined		
Depth to V	Vater Below I	MP (ft.):		24.54		Tubing M					
Height of	Column in W	Vell (ft.):		17.90			t at (ft. below	MP):			
Well Volu	me Conversio	on Factor:	X	0.163			on Method:		DED Micro	-purge pump	
(see revers								-	with Teflon bladder		
Well Volu	me (Gallons):		2	·9 gal.							
					~						
		(		d Water				ers			
			(S	ee reverse f	or stabil	ization cr	iteria)				
Time	Water Level	Volume	Pumping	Temperature	pН	SEC	Turbidity	DO	ORP	Instrument used to	
	(ft. below MP)	Removed (Gallons)	Rate (gpm)	(°C or °F)		(µS/cm)	(NTU)	(mg/L)	(m V)	measure parameters	
			(8)								
						-				-	
-											
						-	<del> </del>				
					L			L			
				Sampl	e Info	rmatio	n				
C	enstituents Sc	umnlad		_	iple Cont				Etald Du	an avation	
C		ітрієй			1937			11	. /	eparation	
	YOU			5 40	ml. 9	lass		M	11,10e	<u> </u>	
Samplina I	Daysonnal/Tiv	na Camplas	Callagtade	<	De/	100 -0 .1	- 06	.12			
	Personnel/Tin ntification C	_		ification Codi		TIMES !	1/1	70	/		
	dentification		cuic Lucill	godinon Cour	g	DWO	04/12	2100	<u> </u>		
	ding (i.e., Eq	_	nsate or Fig	eld Blank):							
	ustody Recor	_		4			154148,				
Remarks:	West	MM Q	5.0 00	allons, s	1-draw	al & C	ampled	•			
Vernav	GWSAMP.FRN	1/kjc	0				-			12/17/2004	



Client/Project: EMD					Proiect	Number:		100	100.58.15			
Location		Cincinnati,	ОН			ampling Be	egan:		1015			
Weather:	•	35°F	D.cl	ordy		ampling Co			1016			
Date:	_	12/2	1/och									
		(-/-	707	Eval	uation	Data						
D 1.1	66 "	n		1		Data						
_	n of Samplin	g Point (We	ll ID): <u>V</u>	VR720	2_	<i>a</i>		_		~ 111		
	g Point (MP):		•	TOC			iameter (inc	-	PVC			
	th of Well Be			5.06			Casing Mate	rial: _				
	Water Below			1.30		Tubing M		_	Teflon-lined			
Height of Column in Well (ft.):  Well Volume Conversion Factor:  X 0.02						Pump Sei	t at (ft. below	_				
						Evacuation	on Method:		QED Micro-purge pump			
(see revers			^ /	200					with Teflon	bladder		
Well Volu	me (Gallons):		0.6	8 gal.								
		(	Ground	d Water	Samr	ling Pa	aramet	ers				
				see reverse f								
Time	Water Level	Volume	Pumping	Temperature	рН	SEC	Turbidity	DO	ORP	Instrument used to		
	(ft. below MP)	Removed (Gallons)	Rate (gpm)	(°C or °F)		(μS/cm)	(NTU)	(mg/L)	(m V)	measure parameters		
		(Gantons)	(8)									
						<u> </u>						
		-										
					-	-						
-												
	1	L					1	<u> </u>				
				Sampl	e Info	rmatio	n					
C	onstituents Sc	ampled		San	iple Cont	ainers				eparation		
	VOC			3 40	ml. a	lass		H	U, ice			
									- , , , , ,			
					/			0				
Sampling I	Personnel/Tin	ne Samples	Collected:	8	DL/M	nmH	- 191	7				
			icate Ident	ification Codi	ng:	WRPZ	:05/1	2210	4			
	dentification	0					/					
	ding (i.e., Eq			eld Blank):								
	Sustody Recor	d Number(	s):				154148					
Remarks:							-					
Vernay	GWSAMP.FRN	M/kjc								12/17/2004		

**EMD** 

Client/Project:



100.58.15

### **General Information**

Project Number:

Weather: Cincinnati, OH  SF. D. Cloudy					Time Sampling Began: Time Sampling Completed:				1010			
Date:	• –	12/2/	Lack		1 ime S	ampling Co	отріства:		1013			
	_	190	184	· 17	. •	TD .						
				Evali	uation	Data						
Descriptio	on of Samplin	g Point (Wei	II ID):	VRPZ/0	2							
Measurin	g Point (MP):			Toe		Casing D	iameter (inc	hes):		21"		
Total Dep	th of Well Be	low MP(ft.):		9.95		Type of C	Casing Mate	erial:	PVC			
Depth to	Water Below I	MP (ft.):		1.55 Tubing Material:					Teflon-lined			
Height of	Column in W	Vell (ft.):		8.40		Pump Se	t at (ft. below	MP):				
Well Volu	me Conversio	on Factor:	X	0.000			on Method:		QED Micro-purge pump			
(see rever	se)								with Teflon			
Well Volu	ıme (Gallons):			2 gal.								
		-			Samn	ling D	a wa ma a t	OTAC				
		•		d Water				ers				
				ee reverse fo		zation cr	iteria)					
Time	Water Level (ft. below MP)	Volume Removed (Gallons)	Pumping Rate (gpm)	Temperature (°C or °F)	<i>pH</i>	SEC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Instrument used to measure parameters		
										-		
							L					
				Sample	e Info	rmatio	n					
C	onstituents Sc	amnled			ple Conto				Field Du	an avation		
	100	impicu							Field Preparation			
	YOU			3 40	oml.	glass		H	Hel, Ice			
				***************************************								
							-					
						***************************************	_					
ampling l	Personnel/Tin	ne Samples	Collected:	5	D//m	m# -	1012					
		-		fication Codin	ng:	A/RPZ	10/122	10ch				
	<i>Identification</i>				·	VILLE	10/100	-				
	ding (i.e., Eq	-		eld Blank):								
	Custody Recor	d Number(s	s):			15	:4148					
emarks:												
Vernag	y GWSAMP.FRM	∕l/kjc								12/17/2004		



12/17/2004

Client/Pa Location Weather Date:	ı:	EMD Cincinnati, 35°F,	OH p·Clon	dy	Project Number: Time Sampling Began: Time Sampling Completed:				100.58.15			
		(	, ,	Eval	uatior	n Data						
Description of Sampling Point (Well ID Measuring Point (MP):  Total Depth of Well Below MP(ft.):  Depth to Water Below MP (ft.):  Height of Column in Well (ft.):  Well Volume Conversion Factor:  (see reverse)  Well Volume (Gallons):			X O.z	10): <u>WRP2/5</u> 16c 14.80 5.79 9.0( X 0.023  0.2 gal.  round Water Sam (See reverse for stab						PVC Teflon-lined  QED Micro-purge pump with Teflon bladder		
Time	Water Level (ft. below MP)	Volume Removed (Gallons)	Pumping Rate (gpm)	Temperature (°C or °F)	рН	SEC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Instrument used to measure parameters		
C	Constituents Sa	ampled		•	e Info	rmatio	n		Field Pre	engration		
	Voc	-		3 40	ml. g	lass		HC	1, 1ce			
ample Idd 'S/MSD I JA/QC Co	Personnel/Tin entification Co Identification oding (i.e., Equ Custody Recor	oding/Dupli Coding: uipment Rin	cate Identi	ification Codi	SDL/ ng:	MMH WR Pż	- 100 2/5/12	1 2104				
Verna	y GWSAMP.FRM	//kjc	***************************************							12/17/2004		



#### **General Information**

Client/Project: EMD					Project	Number:		100.	100.58.15			
Location	:	Cincinnati,	ОН		Time S	ampling B	egan:		1000			
Weather:		35°F	p. do	roh	Time S	ampling Co	ompleted:	-	1004			
Date:		12/21	[orf						1001			
		•		Eval	uation	Data						
Descriptio	n of Samplin	g Point (We	II ID):	VRPZ =	20							
Measuring	g Point (MP):			Toc		Casing D	iameter (inc	hes):				
Total Depa	th of Well Be	low MP(ft.):		9.50		Type of C	Casing Mate	rial: _	PVC			
Depth to V	Vater Below 1	6.15		Tubing N	Iaterial:		Te	flon-lined				
Height of Column in Well (ft.):				3.35		Pump Se	t at (ft. below	MP): _				
	me Conversio	on Factor:	_X	9.023	***************************************	Evacuati	on Method:	-		-purge pump		
(see revers	3.53		0	2				,	with Teflon	bladder		
well volu	me (Gallons):			3 gal	•							
			Ground	d Water	Samp	ling Pa	aramet	ers				
				ee reverse f								
Time	Water Level (ft. below	Volume Removed	Pumping Rate	Temperature (°C or °F)	рН	SEC	Turbidity (NTU)	DO (mg/L)	ORP	Instrument used to		
	MP)	(Gallons)	(gpm)	(001)		(μS/cm)	(1410)	(mg/L)	(m V)	measure parameters		
						-						
									1			
									-			
		ļ		L						-		
				Sampl	e Info	rmatio	n					
Ce	onstituents Sa	ampled		San	nple Conto	ainers			Field Pre	eparation		
	You			3 40	onl. a	lass		4	Helice			
					U				7,0 1 1 1 00			
					~~~~							
~		_				,	100	1				
	Personnel/Tin	-		-	SDC/M	nmst	- 100	9				
	ntification Co dentification		icate Identi	fication Codi	ing:	NKRE	20/123	104				
	ding (i.e., Eq	_	esate or Fig	old Rlank).								
	ustody Recor			Diulinj.		10	54159					
Remarks:	J						- (1)-(
Vernay	GWSAMP.FRM	1/kjc	***************************************							12/17/2004		